


	2nd International Conference on Pollution Control for Clean Environment (ICPCCE 2025) IIT Bhubaneswar, 22-23 Dec 2025					
Day-1						
08:30:00	Registration (Venue: Lobby Area, Lalitgiri Hall of Learning)					
09:30:00	Inauguration (Venue: L02M, Lalitgiri Hall of Learning)					
10:00:00	High Tea (Venue: Lobby Area, Lalitgiri Hall of Learning)					
10:30:00	Keynote Lecture 1: Perovskite-based cathode catalyst for sustainable wastewater treatment and seawater desalination through microbial desalination cell; Prof. M.M. Ghangrekar, IIT Kharagpur/NIT Puducherry (Venue: L02M, Lalitgiri Hall of Learning)					
11:10:00	Keynote Lecture 2: Mapping Plastic Pathways: How Urban Waste Streams Impact Surface Waters and SDG 6 Goals; Prof. Brajesh Kumar Dubey, IIT Kharagpur (Venue: L02M, Lalitgiri Hall of Learning)					
11:50:00	Keynote Lecture 3: Evaluating Suspended Particulate Matter Induced Stress and Tolerance in Selected Native Plant Species and Urban Green Belt Strategies; Prof. Arvind Kumar Nema, IIT Delhi (Venue: L02M, Lalitgiri Hall of Learning)					
	Session-1 (Offline)	Session-2 (Offline)	Session-3 (Offline)	Session-4 (Offline)	Session-5 (Online)	Session-6 (Online)
Venue (Lalitgiri Hall of Learning)	L03S	L06S	L07S	L02M	L01S	L00S
Session Chair						
Theme	Adv. Oxidation of WW	River Pollution	Air Pollution Model	Waste Recovery	Waste Management	Environmental Policy
12:30:00	ID-13; Electro-peroxone Process as a Promising Approach for PFAS Degradation in Aqueous Systems; Venkata Koulini G	ID-70; Graphene- Modified bagasse biochar as an adsorbent for phenol removal from river water; Saman Nigar	ID-37: Seasonal characteristics of PM2.5 pollution: Source apportionment and health risk assessment in rural northern India; Riya Sharma	ID-26S: Recycling of PCBs-capacitors to get tantalum enriched residue and other valuables; Subrat Shekhar	ID-1: Technology-driven environmental maintenance system for urban residential societies; Darshan Mankar	ID-6: Embedding ESG Principles into Environmental Policy and Pollution Control: Developing the ESG–Policy Integration Model (EPIM); Sasmita Mishra
12:42:00	ID-14S; Laundry wastewater treatment for microplastics removal using electrocoagulation; Reema Sahu	ID-151; Dimethyl sulfoxide - based carbon cloth anode for enhanced groundwater treatment in microbial desalination cells; Sabarija A Mohandas	ID-38: Analysis of Particulate Matter Transport in Shillong using the HYSPLIT Model; Ganesh Chandra Dhal	ID-266: Studies on the hydrometallurgical processes to recover Nd, Dy, Pr from the scrap permanent magnets; Rekha Panda	ID-31: From Waste to Resource: Reviewing Bauxite Residue Integration in Green Construction Materials; Madhu CN	ID-54: Green Human Resource Management (GHRM): Integrating Environmental Policies into HR Practices; Subhmanasini Nayak
12:54:00	ID-217; Solar photocatalytic degradation of methylene blue using magnetic sawdust biochar supported bismuth oxybromide nanocomposite; Upasana Priyadarshini	ID-201; Experimental study on cadmium transport in saturated homogeneous porous media using a 2-dimensional sand tank; Shibaraj Brahma Gayari	ID-68: Apportioning PM ₁₀ Sources Using Positive Matrix Factorization and Trajectory Analysis with HYSPLIT; Neha Bandna Barla	ID-267: Beneficiation of spent automobile catalytic converters (SACCs) for the recovery of PGMs and REMs using hydrometallurgical processing; Shushant Shekhar Rakshit	ID-186: Assessing the State of Solid Waste Infrastructure and Resource Recovery in Guwahati, Assam: A Review of Challenges & Pathways; Diksha Dutta	ID-62: The LCA data gap: why India's circular economy needs locally adapted impact metrics for waste management; Baishali Chakrabarti
13:06:00	ID-219; Combined Acoustic Cavitation with Advanced Oxidation process for the degradation of hexamethyl pararosaniline chloride; Anusree P C	ID-203; AI driven Aquabot Swarm for monitoring and treating river pollution; Ravindra Wanjule		ID-93: Shear Strength Parameters of Bentonite-Amended Fly Ash Liners: Considerations for Landfill Side Slopes; Raviteja KVNS	ID-61: Life Cycle Assessment of Plastic Waste-Integrated Concrete Mixtures as a Pollution Control Strategy for Sustainable Construction; Aashish Meena	ID-258: Integrating Economic Valuation, Indian Knowledge Systems, and Institutional Sustainability Indicators for a Circular Environmental Management Framework: Evidence from NIRF-SDG 2025 Data; Nidhi Yadav
13:05:00	Lunch Break (Venue: Lobby Area, Lalitgiri Hall of Learning)					
14:30:00	Keynote Lecture 4 (online): The role and potentials of anaerobic treatment in the circular economy; Prof. Jules B. van Lier, Delft University of Technology, Netherlands (Venue: L02M, Lalitgiri Hall of Learning)					
	Session-7 (Offline)	Session-8 (Offline)	Session-9 (Offline)	Session-10 (Online)	Session-11 (Online)	
Venue (Lalitgiri Hall of Learning)	L03S	L06S	L07S	L01S	L00S	
Session Chair						
Theme	Biological WWT/MFC	Pyrolysis/Thermal Treatment	Resource Recovery	Adv Oxidation for WWT	Water Pollution	
15:00:00	Invited Talk 1: Upcycling agro-residues into functional agro-mycelial composite for Circular and Sustainable Applications; Dr. Prangya R Rout	Invited Talk 2: My Aerobic-Anaerobic Journey in waste and wastewater management: Harnessing Microbial for Sustainable Solutions; Dr. Vinay Kumar Tyagi	Invited Talk 3 (Online): Entomoremediation and other directions of alternative use of insects; Dr. Piotr Bulak	Invited Talk 4 (Online): Mainstream anammox nitrogen removal and switching of flows with sidestream, key microorganisms capable of resource recovery; Dr. Ivar Zekker	ID-42: Evaluation of water pollution trends and their ecological impacts in Chandapura Lake Bengaluru; Sameena G A	
15:12:00					ID-51: Ground water analysis for different parts of Kolkata and comparison with different areas of India; Sushma Das	
15:24:00	ID-143; Synergistic application of Ag/TiO2 as an anode catalyst in the single chamber microbial electrosynthesis to enhance bioconversion of CO2 to volatile fatty acids; Swati Das	ID-3; Hydrothermal carbonization of fruit waste for hydrochar production; SUBHANKAR BASU	ID-103: Utilization of black soldier fly larvae in a scale-up setup to segregate and valorize Indian unsegregated municipal solid waste; Kirtti Ranjan Sahu	ID-90: Photoelectrochemical oxidation of mixture of pharmaceuticals in secondary treated wastewater; Sanjeeb Mohapatra	ID-57: Comparative Study of Water Pollution Potential from Domestic Use of Chemical and Herbal Products in Day-to-Day Activities; Amol Kharche	
15:36:00	ID-71; Advancing Microbial Electrosynthesis: MXene as Cathode Catalyst for Efficient CO2 Capture and Sustainable Biochemical Production; Rahul Ghosh	ID-50; Nutrient-Enriched Rice Straw Biochar Nanocomposites for Smart Waste Valorization and Sustainable Rehabilitation of Coal Mine Overburden Soils; Gitanjalee Kumari	ID-154: Biological valorization of organic waste: A comparative study of Vermicomposting and Black soldier fly larvae; Vartika Anand	ID-73: A sulfate-radical based advanced oxidation system using FEAL-LDH loaded on biochar for treatment of tex-tile wastewater dye bath; Sree Lekshmi G S	ID-47: Assessment of the Environmental Impact of Landfill Sites: A Review on Groundwater Contamination Due to Leachate Infiltration; Shital Shinde	
15:48:00	ID-168; Treatment of pulp and paper industry wastewater using biochar-derived proton exchange membrane in microbial fuel cell; Pooja Bisht	ID-72; Advances in pre-treatment and real-time process control for pyrolysis of organic fractions of municipal solid waste: Emerging trends and applications; Aswathy K P	ID-33: Unveiling Humification Dynamics in Rotary Drum Composting: Transforming Waste to Black Gold; Sagar Aditya	ID-43: Green synthesis of Zinc Oxide Nanoparticles and its Applications in Treatment of Wastewater; Shathika Sulthana Begum	ID-252: POSEIDON-Net: Physics-Guided Spatio-Temporal Deep Learning for Marine Aquaculture Water Quality Monitoring Using Ocean Color Observations; Dhivyaa Kalaiinban	
16:00:00	ID-221; Modification of the cathode electrode in a microbial fuel cell using a titanium wire for the treatment of domestic wastewater; Praveen Rajpurohit	ID-122; Enhanced CO2 capture in LD slag via mechanical activation under ambient conditions and its kinetics; Suman Suman	ID-81: Enhancing the Environmental Sustainability of Legacy RDF through Agro-Waste Blending: A Case Study with Corn Residues; Nabanita Ghosh	ID-211: Ultrasonication-assisted removal of Congo-red dye using green synthesized nano-catalyst prepared using Lantana camara leaf extract; Shravya C	ID-22S: Optimization of Electro-Fenton Parameters for COD Reduction in Brahmapuram Landfill Leachate; Devika Venu	
16:12:00	Tea Break (Venue: Lobby Area, Lalitgiri Hall of Learning)					
	Session-12 (Offline)	Session-13 (Offline)	Session-14 (Offline)	Session-15 (Offline)	Session-16 (Online)	Session-17 (Online)
Venue (Lalitgiri Hall of Learning)	L03S	L06S	L07S	L02M	L01S	L00S
Session Chair						
Theme	Environmental Assessment	Composting/Biological SWM	River/Ground Water Pollution	Air Pollution/Vehicle	Waste in Concrete	Wastewater Treatment and Modeling
16:30:00	ID-8; Sustainable management and environmental surveillance of uranium mill tailings in India: case study from Jaduguda; Sarjan Singh	ID-85; Microplastic-Induced Stress in Plants: A Biochemical Examination of Soil Contamination; Akanksha Kumari	ID-6S: Hydrogeochemical and geospatial appraisal of groundwater contamination and susceptible zones in western Odisha, India: implications for pollution control and clean environment; Madhusmita Ojha	ID-163: Clean mobility for a University campus – Preliminary Study on Retrofitting Diesel buses to CNG; Parth Sonawane	ID-130: Durability performance of self-compacting geopolymer concrete incorporating e-waste aggregates; Soumyaranjan Panda	ID-119: AI & ML for sustainable wastewater treatment: A bibliometric and trend analysis; Reshu Singh
16:42:00	ID-11; Environmental Assessment of Singhbhum Uranium Mining area of Jharkand; Narendra Kumar Sethy	ID-29; Parametric optimization of bio-fuel yield from waste plastics and different biomass co-pyrolysis using response surface methodology; Rudrapratap Rout	ID-138: Application of multivariate statistics in understanding of variability and clustering of groundwater data: case study from Narwapahar; Sayan Guha Thakurta	ID-212: Automatic regulation of primary and secondary air for enhanced efficiency and reduced emissions in pellet cookstove; Siva Prakash Parameswaran	ID-139: Effect of partially replaced ferrochrome slag fine aggregate on fresh characteristics of GGBFS-based self-compacting geopolymer concrete; Priyanka Priyadarsani Sahu	ID-19S: Wastewater quality prediction and classification through AI for safe reuse and resource recovery; Velamala Poornima
16:54:00	ID-79; Smart cities or eco-cities: which direction should India take in the era of Artificial Intelligence?; Sudipto Sarkar	ID-240; Biodegradation Behavior of Bioplastics Co-treated with Organic Fraction of Municipal Solid Waste; G Saravanan	ID-227: Spatio-Temporal Trends in Groundwater Quality and Associated Health Risks in 21st Century India; Satyabrata Pattanayak	ID-218: Air Pollution and Chronic Obstructive Pulmonary Disease (COPD): A Health Data-Based Study Focused on the Indian Subcontinent; Poullami Nandi	ID-150: Shear strength behavior of rice straw reinforced soil; Suchismita Biswal	ID-262: Improved Monitoring in Wastewater Treatment Plants using Kolmogorov- Smirnov-based Monitoring Scheme; K. Ramakrishna Kini
17:06:00	ID-108; Effect of nitric acid polluted water on Atterberg limits of bentonite; Nibedita Singh	ID-271; Impact of Thermal Hydrolysis on Codigestion of SBR sludge and Municipal Solid Waste; Ashish Kumar Sahu	ID-272: Soil and groundwater contamination with chromite ore processing residues in Khan-Chandpur region, Kanpur and Nano-enabled remediation; Radhakanta Sahoo	ID-220: Vehicular Emission Trends and EV Forecast for Controlling Air Pollution: A Case Study in Bhubaneswar; Nibedita Rout	ID-188: Utilization of Blast Furnace Slag Sand in Geopolymer Concrete: A Study on Activator Molarity and Performance Enhancement; Siba Sankar Chanda	ID-264: Integration of Bioelectrochemical System with Advanced Oxidation Process (BES-AOP) for the Efficient Treatment of Industrial Wastewater; Valeed Ahmed Khan
17:18:00	ID-202; Formulating C&D policy for Sustainable C&D Waste Management - A case study of Chh. Sambhajinagar City; Geetanjali Kaushik	ID-283; Design and Implementation of a Model Predictive Control for Anaerobic Digestion Model No.1; Jaypal V	ID-17: Urban flood management case study at Rapta Nala Sambalpur; Niranjan Nag	ID-172: Development of a CNG-powered tractor; Samir Telang	ID-196: An Experimental Investigation on Sustainable Concrete Incorporating Recycled Plastic Waste; Rahul Gadaveer	ID-22: Optimizing graphite-based electrode configurations for high-cod domestic wastewater: A comparative RSM study; Anuj Saini
18:30:00	Cultural Programme (Venue: Institute Auditorium)					
19:30:00	Gala Dinner (Venue: Institute Auditorium Lobby)					

	2nd International Conference on Pollution Control for Clean Environment (ICPCCE 2025) IIT Bhubaneswar, 22-23 Dec 2025					
Day-2						
Venue (Lalitgiri Hall of Learning)	Session-18 (Offline) L03S	Session-19 (Offline) L06S	Session-20 (Offline) L07S	Session-21 (Online) L01S	Session-22 (Online) L00S	
Session Chair						
Theme	Biological WWT	Environmental Contamination	WWT Physico-Chemical	Air Pollution Modeling	Waste Utilisation	
09:00:00	Invited Talk: Integration of biochar and microbial sludge in constructed wetlands for enhanced nitrogen removal from wastewater; Dr. Achlesh Daverey	Invited Talk: Diversity and resistome shifts in combined clinical-domestic effluent following submerged aerated filter treatment: Insights from culture-dependent and independent methods; Dr. Vivekanand	ID-242: Performance of Rice Husk-based Biochar for Wastewater Treatment; Shreyansh Tripathi	ID-58: Particulate and VOC Emission Assessment in LDPE-Modified Asphalt Production; Kanika	ID-84: Anaerobic biodegradability of municipal solid waste in Ghaziabad Region: A Batch Test Study; Bhaavna	
09:12:00			ID-273: Dewatering Centrifuge Performance: G-Volume as a Key Metric for Centrifuge Scaling; Dinesh Gehani	ID-16: Modeling and Sensitivity Analysis of Hydrogen Chloride (HCl) Gas Dispersion Using ALOHA, R, and GIS Tools; Rohith J	ID-111: Enhancement of interfacial transition zone using sustainable alternatives; Sinchana K Gowda	
09:24:00	ID-170: Energy Efficient Organic and Nitrogen Removal in Diverse Wastewater Using a Moving Bed Biofilm Reactor (MBBR); Divyesh Parde	ID-35: Determination of 210Po in surface soils around the Uranium mineralised regions of Jaduguda, India; Gopal V Verma	ID-192: Insights from Survey of Vehicle Garages in Chh. Sambhajinagar city: Case study of Vehicular Coolants; Pavan Udhav	ID-18: Data-Driven Urban Health Protection: Leveraging 10-Year Air Quality Analytics for Proactive Public Health Interventions; Karishma Chauhan	ID-131: Sustainable construction practice using PET-Fiber reinforced recycled aggregate concrete; Ashutosh Nanda	
09:36:00	ID-179: Bibliometric insights into Comammox research and its microbiological foundations for wastewater applications; Mrunaline Atmika	ID-178: Synergistic role of plant growth-promoting rhizobacteria (PGPR) and biochar in enhancing chromium phytoremediation; Sandeep Kumar Kabi;	ID-32: Microplastics in Mahanadi River: Distribution and Assessment of Pollution Level; Brijmohan Mohan	ID-19: Metaheuristic whale optimization algorithm for performance-boosted CNNs in image analysis of climate change and air pollution; Osho Sharma	ID-153: Jute geotextile as a sustainable reinforcement in geotechnical project; Khinil Sahu	
09:48:00	ID-180: A Laboratory-scale Batch Study of Biological Phosphate Removal from Simulated Wet Market Wastewater; Shreemoyee Bose	ID-91: Addressing the Urban Heat Challenge in Delhi: Mitigation, Economic Benefits, and Policy Pathways; Bhawna Rawat	ID-185: A Review of Non-Thermal Plasma Enabled Advanced Oxidation Processes for the Removal of Persistent Emerging Contaminants from Wastewater Effluents; Tanikonda Nishanth	ID-216: Comparative Assessment of Black Carbon Variability within a Semi-Urban Campus and Adjacent Highway Corridor; Ishita Sharan Srivastava	ID-157: Sustainability study of coal mine overburden as a geotechnical material; Shreejita Shitaprajna	
10:00:00	Keynote Lecture 5: Finding Something or Missing Something: A Twelve-Month Search Operation for Emerging Contaminants in Mexico; Prof. Manish Kumar, Tecnológico de Monterrey and Chuo University (Japan) (Venue: L02M, Lalitgiri Hall of Learning)					
10:30:00	Keynote Lecture 6: Analysis of Waste-to-Energy through Incineration; Prof. B. J. Alappat, IIT Delhi (Venue: L02M, Lalitgiri Hall of Learning)					
11:10:00	Tea (Venue: Lobby Area, Lalitgiri Hall of Learning)					
Poster Session (Venue: Lobby Area, Lalitgiri Hall of Learning)						
11:20:00	ID-41: Bimetallic (Zr-Zn)-organic frameworks-based catalysts for improved performance of microbial fuel cells; Arka Pramanik	ID-158: Sequestration of tetracycline from stimulated wastewater by ayurvedic medicinal plants extract; Manasi Vaidya	ID-182: Non-Thermal Plasma Based Wastewater Treatment for Agricultural Reuse: A Review; Sai Priyadarshini Swain	ID-75: Pollution of the Hooghly River due to urban outfall canal wastewater in Kolkata and its suburbs: A systematic pre-monsoon water quality assessment; Debangshi Das	ID-40: Artificial Intelligence for End-to-End Solid Waste Management: Methods, Advances, Challenges and Future Directions; Subrabrata Mahapatra	ID-206: Potato peel waste-derived hydrochar: A sustainable approach for perfluorooctanoic acid removal from water matrices; Sagarika Sinha
	ID-66: Leachate Treatment using Herbal Waste Derived Biochar and Bentonite Clay: A Sustainable Approach; Manjeeta Priyadarshi	ID-162: Microplastics Removal from Water using Fe Based Coagulant; Tejasree Das	ID-98: Study of airborne siliceous dust in Banduhurang open cast uranium mine; Tarak Nath Nag	ID-77: Comparative study on drinking water quality analysis for public use in Delhi; Khushal Khushal	ID-109: Utilization of fly ash in reduction of plasticity and compression indices of silty clay loam; Prakash Sah Sudi	ID-268: Recovery of lithium (Li) from end-of-life LiFePO ₄ (LFP) batteries through sulfation roasting and water leaching; Rukshana Parween
	ID-146: Heavy metal ions removal from waste water by using biosurfactant from Bacillus subtilis SB1 as a collector via micro-flotation method; Minu Rani Bera	ID-167: Sustainable biopolymer-based films reinforced with coir nanocellulose and inulin for efficient remediation of p-phenylenediamine dye; Rashmi N	ID-166: Integrating Spatial and Machine Learning Algorithms for Mapping of Urban Green Spaces of Chh. Sambhajinagar; Ambadas Patil	ID-113: Impact of urea-polluted water on consistency of black cotton soil; Ayushman Sethy	ID-136: Life Cycle Assessment of Bioplastics: A Review; Gourav Mohapatra	ID-269: Hybrid process flow-sheet to recover Indium from varieties of LCD panels; Karina Rani
	ID-105: Psychological and perceptual feature engineering for electric vehicle purchase willingness; A principal component and explainable AI approach; Subojit Debnath	ID-177: Assessing thermal stability of forest fire derived pyro-char carbon: Implications for long term soil carbon persistence in relation to climate change; Sudipta Nayak	ID-204: Designing AI assisted Low Emission Zones in a city – A case study; Anand Mule			
Venue (Lalitgiri Hall of Learning)	Session-23 (Offline) L03S	Session-24 (Offline) L06S	Session-25 (Offline) L07S	Session-26 (Online) L01S	Session-27 (Online) L00S	
Session Chair						
Theme	Advanced Oxidation for WWT	Solid Waste Management: Thermal/Biological	Environmental Policy/Case Study	Air Quality Monitoring	Flyash-Redmud	
11:50:00	Invited Talk: Advancing Sustainable Groundwater Remediation: Pilot Scale Ion Exchange Membrane Bioreactor for High Nitrate Removal; Dr. Akshaya K Verma	Invited Talk: Tire-Derived Aggregates for Urban Runoff; Dr. Rajneesh Singh	Invited Talk: From pollution to restoration: A case study on phytoremediation of chromium; Dr. Nabin Kumar Dhal	ID-2: Site selection for installation of air quality monitoring station using AHP, Fuzzy and TOPSIS based hybrid MCDM techniques: A case study of Amaravati city, India; Animesh Debnath	ID-10: Geotechnical Performance of Nano-Modified Lime-Pond Ash-Sand Mixtures: Insights from Bearing Capacity, Compaction Energy and LFWD Testing; Aritra Dey	
12:02:00				ID-26: Evaluation of roadside plants using APTI and API: A green solution for mitigating air pollution in traffic corridors; Sreeja Sarkar	ID-226: Marine Sand incorporating additives as a sustainable Backfill Material; Sandipta Choudhury	
12:14:00	ID-21: Development of sustainable porous adsorbent for cationic dye adsorption: A fresh start for waste valorization; Susant Mohapatra	ID-141: Management of multi-layered plastic waste through pyrolysis: process optimization and characterization of the resulting char; Sayan Saha	ID-152: Environment protection need: sustainable approach for soil conservation and use of beneficial microbes for managing plant soil interaction; Prashant Kumar Swami	ID-214: Community-Level Insight into Indoor Particulate Matter from Biomass and LPG Fuels in Rural Manipur; Vaiki Ng	ID-30: Resource utilization of red mud, fly ash, and phosphogypsum in geopolymer mortar for sustainable construction; Sourav Biswal	
12:26:00	ID-276: Electrocoagulation with Al-Cu Hybrid Electrodes: Feasibility and RSM- Based Optimization for Treatment of Simulated Coal Bed Methane Produced Water; Sumita Pandit	ID-155: Experimental Optimization of Pyrolytic Oil Production from Banana Peel Feedstock; Rabiranjana Murmu	ID-82: Experimental study on the use of tire-derived aggregates for soil stabilization; Samata Mishra	ID-234: Temporal variation of black carbon and source identification using CBPF and polar plots in the ambient air of Tezpur region of Assam; KH Hriziour Monalisa	ID-165: Waste-to-Resource Approach: The Role of Metakaolin and Fly Ash in Geopolymer Concrete filled Steel Tubes; Dr.Gajalakshmi Pandulu	
12:38:00	ID-284: Synergistic Effects of Fe ₃ O ₄ -HAP Composite on Aerobic Granule Formation and Pollutant Removal Performance; Ankit Singh	ID-159: Synthesis of Carbon Dots from End-of-Life Reverse Osmosis Membranes for Photocatalytic Hydrogen Generation; Ajinkya Balaji Tat	ID-245: Empirical Insights into Global Green Economy Dynamics: Drivers and Developmental Outcomes; Minati Biswal	ID-261: Assessment of pollutant emissions resulting from crop residue burning activities; Monika Verma	ID-148: Agro-Waste in Sustainable Concrete: A Systematic Review with Meta-Analysis; Sourav Ghosh	
12:50:00	ID-191: Survey of consumer perceptions for electronic waste management: A Case study of Chh. Sambhajinagar city; Geetanjali Kaushik	ID-222: Development and Characterization of Banana Fibre-Reinforced Starch Based Bioplastics for Sustainable Packaging; Divyesh Parde	ID-253: Evaluating urban RF radiation levels using the NARDA SRM-3006: A case study of Bhubaneswar, India; Dinesh Kumar panda	ID-274: Impact of vegetation and urban density on air pollutant concentrations in an industrial city: A case study; Amiyarajan Mohanta	ID-187: Air Cooled Ferrochrome Slag: A Sustainable Alternative for Coarse Aggregate; Priyadarshini Das	
13:02:00	ID-181: Enhancement of hybrid constructed wetland performance through crucial parameter prediction based on machine learning regression; Rajat Pundlick	ID-270: Evaluating Waste-to-Energy Pathways for Municipal Solid Waste and Sewage Sludge: Approach to a Sustainable Environment; Nitesh Machhirake	ID-184: Feasibility of waste-to-energy as an in-house disposal and energy recovery solution for the Andaman & Nicobar Islands: A GHG and cost perspective; P Umamaheswara Rao	ID-239: Air quality analysis using fixed box model: a case study of Nagpur city in India; Pallavi Wankhede		
13:14:00	Lunch Break (Venue: Lobby Area, Lalitgiri Hall of Learning)					
14:30:00	Keynote Lecture 7 (online): Risk or resource? Balancing safety and circularity in biowaste management; Prof. Cecilia Lalander, Swedish University of Agricultural Sciences, Sweden (Venue: L02M, Lalitgiri Hall of Learning)					
15:00:00	Keynote Lecture 8 (online): Towards a Sustainable Urban Water Use System for the Future; Prof. Hiroaki FURUMAI, Chuo University (Japan) (Venue: L02M, Lalitgiri Hall of Learning)					
Venue (Lalitgiri Hall of Learning)	Session-28 (Online) L03S	Session 29 (online) L06S	Session 30 (online) L07S	Session 31 (online) L02M	Session 32 (online) L01S	Session 33 (online) L00S
Session Chair						
Theme	Air Pollution Indoor	Environmental Policy	Water Pollution	Waste utilisation in Concrete	Biological SWM	Physico-Chemical WWT
15:30:00	ID-23: Use of Low-cost sensor to detect air pollution levels in construction sites of central Delhi during GRAP implementation; Rajeev Kumar Mishra	ID-123: A Comparative Analysis of Global E-Waste Policies: Evaluating the Effectiveness of Legislation in the EU, North America, and Asia; Sudhanshu Ranshevere	ID-200: Hydrological modelling of suspended sediment load in the Krishna-Godavari River, India; Laxmipriya Mohanty	ID-189: Alkaline resistance and Transport Performance of Sustainable Concrete containing steel slag and demolition waste; Siba Sankar Chanda	ID-198: Performance Evaluation of Aerobic Composting at Dewas Municipality and Recommendation for Decentralised Bin Composting; Kratika Lodhi	ID-69: Biochar-Amended Tire-Derived Aggregates for Sustainable Stormwater Treatment; Rahul Kumar
15:42:00	ID-34: Comparison of indoor plants for CO2 removal in built environments; Geetanishi Panwar	ID-164: Advancing Circular Economy Through ISO 59000: A Strategic Framework for Pollution Control and a Clean Environment; Chiedza Kanonge	ID-235: Advancing water quality control in India: Integrating Science, policy and institutional mechanisms for sustainable resource management; Dhananjay Tripathi	ID-199: Effects of submergence on the shear strength of legacy ash; Akash Kumar Pradhan	ID-118: Status and Issues of Municipal Solid Waste in India; Mukund Kumar	ID-76: Recent Progress in Biochar Composite Adsorbents for Mitigating PFAS Contamination in Water Sources: A Critical Review; Srinjoy Roy
15:54:00	ID-101: Dynamical Fingerprinting of Urban Air Pollution: A Method for Diagnosing Emission Regimes; Diptanil Chakraborty	ID-208: Life cycle assessment of Spent Pot Lining co-processing in cement kilns; Rakesh Kumar Panda	ID-236: Interlinking physico-chemical parameters and microplastic abundance in the Yamuna River: Indicators of anthropogenic stress and water quality degradation; Karuna Singh	ID-280: Industrial Waste based Geo-Polymer Concrete: A Review on sustainable material Utilization and Mechanical Behaviour; Sakshi Waghmode	ID-64: Governance & policy frameworks for environmental sustainability; Harleen Duggal Walla	ID-156: Evaluation of Electrocoagulation process for removal of fluoride from water; Monika Tiwari
16:06:00	ID-121: Beyond Sensors: Scalable Air Pollution Identification Using Deep Visual Features; V M S N Pavan Kumar	ID-257: Impact of the implementation of Business Responsibility and Sustainable Reporting (BRSR) framework on net zero target; Rini Mathew	ID-244: Evaluation of spatiotemporal variations of surface water quality using Geospatial Interpolation Techniques in the Brahmani River Basin; Rosalin Dalai	ID-126: Plastic Waste Management for Sustainability: Composition, Recycling Pathways, Decision-Making Frameworks, and Future Perspectives; Namita Sipani	ID-25: Putative role of Carboxylesterases in Enterobacter mori BI1245 in the biodegradation of modified phthalates; Chaitali Shaha	ID-197: Sustainable solutions for clean water scarcity in Tirthali: A community-centric approach to water management; Manasa Murali
16:18:00	ID-205: Event-driven toxic pollutant cocktails: rethinking air quality in the era of climate extremes; Hemarshitha Sangamreddi	ID-20: Field evaluation of commercial Trichoderma-based formulations for tomato growth promotion under an integrated pest management framework; Siddhant Kumar	ID-260: Review of Fluoride Contamination in Groundwater of Telangana State: Remediation Strategies Aligned with SDG 6; Velaga Shashank	ID-104: Evaluation of lime-stabilized Compressed Earth Blocks (CEBs) as a sustainable alternative to cement-based masonry units; Rishika Shanulalpatam	ID-278: Development and Optimization of Sensor-Based Monitoring System for Landfill Gas Emission; Anuradha Patil	ID-59: A comparative analysis of Canna indica and Saccharum spontaneum in macrophyte-assisted vermifiltration treatment of cattle feedlot wastewater; Shruti Singh
16:30:00	Tea Break (Venue: Lobby Area, Lalitgiri Hall of Learning)					
16:45:00	Validictory Function and Best Paper Award Distribution					